

## EAST Search History

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	("3911470"   "6429085").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 07:34
S2	20	("5024957"   "5108946"   "5206182"   "5286518"   "5290716"   "5424227"   "5484737"   "5494836"   "5504039"   "5633179"   "5663097"   "5702980"   "5759880"   "5773350"   "5792702"   "5821163"   "5846858"   "5846867"   "5897359"   "6169007").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 09:22

S3	1	((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")) with ((varactor near3 diode) or varactor) with ((polysilicon with resistor) or resistor ) with ("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) )) same ((common "same") near6 (substrate wafer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:35
S5	1	((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")) same ((varactor near3 diode) or varactor) same ((polysilicon with resistor) or resistor ) same ("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:37
S4	1	((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")) same ((varactor near3 diode) or varactor) same ((polysilicon with resistor) or resistor ) same ("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) )) same ((common "same") near6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:37

		(substrate wafer))				
S6	14	((((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")))) or ((varactor near3 diode) or varactor)) same ((polysilicon with resistor) or resistor ) same (("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:40
S8	8	S6 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:41
S7	14480290	@ad<"20031024" @rlad<"20031024"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:41
S11	608	(poly adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon adj2 germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:47

S10	42	(mono adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon adj2 germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:47
S9	31	(mono adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon \$2germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:47
S13	0	S12 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:49
S12	6	S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:49

S15	1	S12 and S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:51
S14	16	((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")) same (("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:51
S17	7	S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:52
S16	1	S6 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:52

S19	1	S6 and S14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:53
S18	1	S6 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:53
S20	3278	((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:54
S21	1	S12 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:55

S23	1	S22 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:56
S22	7	S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:56
S24	82	((((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")))) or ((varactor near3 diode) or varactor)) and ((polysilicon with resistor) or resistor ) and (("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:57
S25	1	S12 and S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 17:58

S26	1484	("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:02
S27	3	S10 same S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:03
S28	0	S27 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:04
S30	1	S29 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:05

S29	12482	"biCMOS"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:05
S31	3	S12 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:06
S33	0	S32 not S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:09
S32	3	S22 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:09

S34	1131	((mono adj2 (crystal\$4 silicon)) or crystalline) near4 ("SiGe" (silicon \$2germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:14
S35	121	S34 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:15
S36	159417	("SiGe" near3 bi\$2polar) or ("SiGe" near3 ("npn" "pnp") near3 bi\$2polar) or bi\$2polar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:18
S37	0	S20 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:19

S38	31642	base with S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:22
S41	17	S40 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:23
S40	17	S34 with S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:23
S39	34	S34 same S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:23

S42	592	base with S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:24
S44	7	S34 with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:25
S43	11	S34 same S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:25
S46	0	S43 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:29

S45	0	S44 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:29
S47	3	S20 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:30
S51	2	S47 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:31
S50	3	S44 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:31

S49	0	S43 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:31
S48	0	S44 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:31
S52	2158	((mono single) adj2 (crystal \$4 silicon)) or crystalline near4 ("SiGe" (silicon \$2germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:41
S53	139	S52 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:42

S56	0	S53 and S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:44
S55	23	S52 with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:44
S54	47	S52 same S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:44
S57	1	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 18:45
S58	8	("5296391"   "5321301"   "5323032"   "5424228"   "5432104"   "5484737"   "5494836"   "5504018").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 18:48

S59	16	S26 same S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:00
S62	1	S61 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:01
S61	158	S52 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:01
S60	1	S53 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:01

S63	11	S59 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:02
S64	7	("20010008298"   "5147818" "5498567"   "5504018"   "5510647"   "5567631"   "5580797").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/09 19:37
S67	16	S66 not S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:52
S66	27	S65 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:52
S65	35	S26 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/09 19:52

S68	495	(438/202).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:18
S71	442	(438/210).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:19
S70	95	(438/204).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:19
S69	128	(438/203).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:19

S72	73	(438/236).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:20
S73	1666	(438/238).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:21
S77	87	(257/E27.032).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:29
S76	28	(257/E27.023).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:29

S75	67	(438/327).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:29
S74	73	(438/236).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:29
S79	0	(257/E27.43).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:30
S78	15	(257/E27.043).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/09/09 21:30

S80	6226	("Si" silicon) near4 seed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 11:57
S81	236	S80 with open\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 11:59
S83	10	S81 and (selectiv\$3 near4 amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:01
S82	0	S81 same (selectiv\$3 near4 amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:01

S85	0	S83 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:02
S84	2158	((mono single) adj2 (crystal \$4 silicon)) or crystalline) near4 ("SiGe" (silicon \$2germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:02
S88	0	S86 and (selectiv\$3 near4 amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:03
S87	0	S86 same (selectiv\$3 near4 amorphous)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:03

S86	31	S80 with S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:03
S92	20	S90 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:04
S91	14480758	@ad<"20031024" @rlad<"20031024"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:04
S90	28	S86 and amorphous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:04

S89	0	S86 same amorphous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:04
S93	2548	((lateral near3 ("pnp") near4 transistor) or (lateral near3 ("pnp")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:23
S94	11700	varactor (varactor near3 diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:24
S95	645600	resistor (resistor near3 poly \$silicon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:25

S98	3	S97 and S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:26
S97	9	S93 same S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:26
S96	1	S93 same S94 same S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:26
S99	608	(poly adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon adj2 germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:37

S101	0	S93 same S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:38
S100	17	S99 with (emitter collector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:38
S102	2	S93 and S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 12:39
S103	2	S93 and S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/09/12 13:43

S104	3	(("6429085") or ("3911470")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/10/15 10:40
S106	9	S104 S105	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/15 10:41
S105	6	(("1351284") or ("1229584")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/10/15 10:41
S107	20	("5024957"   "5108946"   "5206182"   "5286518"   "5290716"   "5424227"   "5484737"   "5494836"   "5504039"   "5633179"   "5663097"   "5702980"   "5759880"   "5773350"   "5792702"   "5821163"   "5846858"   "5846867"   "5897359"   "6169007").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/15 10:43

S108	10	("6429085").URPN.	USPAT	OR	ON	2009/10/15 11:04
S109	11	("5658830").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/10/15 16:09
S111	12	("20010008802"   "20010027003"   "20010045656"   "5741626"   "5887076"   "5935762"   "6004188"   "6103456"   "6184128"   "6235628"   "6294836"   "6323123").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/15 16:44
S110	12	(("6071812") or ("6391757")). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/10/15 16:44
S112	14	("5371042"   "5629237"   "5686354"   "5861343").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/15 16:49
S113	14	("6071812").URPN.	USPAT	OR	ON	2009/10/15 16:52

S114	13	("5686354"   "5741626"   "5792687"   "5795823"   "5858829"   "5916823"   "6071812"   "6150723"   "6187661"   "6211061"   "6225204"   "6265321"   "6309962").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/15 16:56
S117	9	S115 same S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 15:59
S116	11769	varactor (varactor near3 diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 15:59
S115	2552	((lateral near3 ("pnp") near4 transistor) or (lateral near3 ("pnp")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 15:59

S119	12588	"biCMOS"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 16:00
S118	83	((((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")))) or ((varactor near3 diode) or varactor)) and ((polysilicon with resistor) or resistor ) and (("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 16:00
S122	35	S120 and S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 16:01
S121	14486223	@ad<"20031024" @rlad<"20031024"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 16:01

S120	64	S118 and S119	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/19 16:01
S127	35	S125 and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/20 06:52
S126	14487035	@ad<"20031024" @rlad<"20031024"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/20 06:52
S125	64	S123 and S124	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/20 06:52

S124	12606	"biCMOS"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/20 06:52
S123	83	((((lateral near3 ("pnp" "npn") near4 transistor) or (lateral near3 ("pnp" "npn")))) or ((varactor near3 diode) or varactor)) and ((polysilicon with resistor) or resistor ) and (("SiGe" near3 bipolar) or ("SiGe" near3 ("npn" "pnp") near3 bipolar) ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/20 06:52
S130	9	S128 same S129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:15
S129	11782	varactor (varactor near3 diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:15

S128	2555	((lateral near3 ("pnp" ) near4 transistor) or (lateral near3 ("pnp")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:15
S133	1	S130 and S131 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:16
S132	612	(poly adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon adj2 germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:16
S131	42	(mono adj2 (crystal\$4 silicon)) near4 ("SiGe" (silicon adj2 germanium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:16

S134	19759	(poly adj2 (crystal\$4 silicon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:17
S136	11353	(mono adj2 (crystal\$4 silicon)) mono\$2crystal mono \$2silicon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:18
S135	172105	(poly adj2 (crystal\$4 silicon)) poly\$2crystal poly\$2silicon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:18
S138	1	("6900519").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/10/26 09:19

S137	1	S130 and S135 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:19
S140	0	S128 and S129 and S138	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:20
S139	0	S138 and S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:20
S141	1	((bi adj2 polar) bi\$2polar) and S138	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:22

S142	0	("LPNP" (lateral near3 "pnp")) and S138	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:23
S144	20	S129 and S143	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:32
S143	1694	("LPNP" (lateral near3 "pnp") (lateral\$2"pnp")) and ((bi adj2 polar) bi\$2polar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:32
S145	1	S144 and S135 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/10/26 09:33

S146	50	(US-20080213987-\$ or US-20020197783-\$ or US-20030064555-\$ or US-20030119249-\$ or US-20040046233-\$ or US-20050199908-\$ or US-20060017066-\$ or US-20060043529-\$ or US-20060043530-\$ or US-20060060886-\$ or US-20060157823-\$ or US-20060263993-\$ or US-20070001264-\$ or US-20070264787-\$ or US-20080261371-\$ or US-20080268604-\$ or US-20090203183-\$ or US-20090206335-\$ or US-20030049909-\$ or US-20060154476-\$ or US-20060289852-\$ or US-20030162350-\$ or US-20040209418-\$).did. or (US-6246104-\$ or US-5315135-\$ or US-4837176-\$ or US-5930635-\$ or US-6492238-\$ or US-6656811-\$ or US-6667521-\$ or US-6933202-\$ or US-6965133-\$ or US-7034379-\$ or US-7102205-\$ or US-7115965-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/11/04 13:51
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		7217628-\$ or US-7265018-\$ or US-7390721-\$ or US- 7485537-\$ or US-7541231-\$ or US-4244001-\$ or US- 4508579-\$ or US-5014107-\$ or US-5248624-\$ or US- 5666001-\$ or US-6740562-\$ or US-7170083-\$ or US- 7442595-\$ or US-5798277- \$).did. or (US-6855612-\$). did.			
S147	50	(US-20080213987-\$ or US- 20020197783-\$ or US- 20030064555-\$ or US- 20030119249-\$ or US- 20040046233-\$ or US- 20050199908-\$ or US- 20060017066-\$ or US- 20060043529-\$ or US- 20060043530-\$ or US- 20060060886-\$ or US- 20060157823-\$ or US- 20060263993-\$ or US- 20070001264-\$ or US- 20070264787-\$ or US- 20080261371-\$ or US- 20080268604-\$ or US- 20090203183-\$ or US- 20090206335-\$ or US- 20030049909-\$ or US-	US-PGPUB; USPAT	OR	ON 2009/11/05 10:22

20060154476-\$ or US-  
20060289852-\$ or US-  
20030162350-\$ or US-  
20040209418-\$).did. or (US-  
6246104-\$ or US-5315135-\$  
or US-4837176-\$ or US-  
5930635-\$ or US-6492238-\$  
or US-6656811-\$ or US-  
6667521-\$ or US-6933202-\$  
or US-6965133-\$ or US-  
7034379-\$ or US-7102205-\$  
or US-7115965-\$ or US-  
7217628-\$ or US-7265018-\$  
or US-7390721-\$ or US-  
7485537-\$ or US-7541231-\$  
or US-4244001-\$ or US-  
4508579-\$ or US-5014107-\$  
or US-5248624-\$ or US-  
5666001-\$ or US-6740562-\$  
or US-7170083-\$ or US-  
7442595-\$ or US-5798277-\$).did. or (US-6855612-\$).  
did.

S150	50	(US-20080213987-\$ or US-20020197783-\$ or US-20030064555-\$ or US-20030119249-\$ or US-20040046233-\$ or US-20050199908-\$ or US-20060017066-\$ or US-20060043529-\$ or US-20060043530-\$ or US-20060060886-\$ or US-20060157823-\$ or US-20060263993-\$ or US-20070001264-\$ or US-20070264787-\$ or US-20080261371-\$ or US-20080268604-\$ or US-20090203183-\$ or US-20090206335-\$ or US-20030049909-\$ or US-20060154476-\$ or US-20060289852-\$ or US-20030162350-\$ or US-20040209418-\$).did. or (US-6246104-\$ or US-5315135-\$ or US-4837176-\$ or US-5930635-\$ or US-6492238-\$ or US-6656811-\$ or US-6667521-\$ or US-6933202-\$ or US-6965133-\$ or US-7034379-\$ or US-7102205-\$ or US-7115965-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/11/05 10:23
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			7217628-\$ or US-7265018-\$ or US-7390721-\$ or US- 7485537-\$ or US-7541231-\$ or US-4244001-\$ or US- 4508579-\$ or US-5014107-\$ or US-5248624-\$ or US- 5666001-\$ or US-6740562-\$ or US-7170083-\$ or US- 7442595-\$ or US-5798277-\$).did. or (US-6855612-\$). did.			
S151	11	"20030030244"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/11/05 10:25
S152	17	pruijboom\$3.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2009/11/05 10:30
S154	14	("4583106"   "5083180"   "5132234"   "5134082"   "5187109"   "5319234"   "5347156"   "5387553"   "5405790"   "5422290"   "5508551"   "5541120"   "5637516"   "5824560").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 13:46

S153	1	("6611044").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/11/05 13:46
L1	3	(("6429085") or ("3911470")). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/19 22:16
L13	86	(438/205).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:18
L12	95	(438/204).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:18

L11	130	(438/203).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:18
L10	501	(438/202).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:18
L17	218	(438/379).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:19
L16	189	(438/235).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:19

L15	642	(438/207).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:19
L14	139	(438/206).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:19
L18	1452	(257/e21.696).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	OFF	2009/12/20 02:20

## EAST Search History (Interference)

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